

AMENDMENTS TO THE SPECIFICATION

Please amend the title as follows:

**CIRCUIT ARRANGEMENT WITH A LINEAR VARIABLE DIFFERENTIAL
TRANSFORMER (LVDT) AS A DISPLACEMENT SENSOR**

Please replace the first paragraph on page 13, line 1, with the following paragraph.

The ports 3 and 6 of the secondary coils Sw1Ws1 and Sw2Ws2 are connected to an analysis circuit AWS, which is formed with an inverting amplifier V3, R5, R6 and an analysis unit AE. The port 3 of the first secondary coil Ws1 is connected to the non-inverting input of an operational amplifier V3, and the port 6 of the second secondary coil Ws2 is connected via a resistor R5 to the inverting input of the operational amplifier V3. The output port 8 of the operational amplifier is coupled back to the inverting input via a resistor R6. The port 6 of the second secondary coil is also connected to the reference potential Vref.